

Europäisches Patentamt

**European Patent Office** 

Office européen des brevets



(11) EP 0 911 041 A3

(12)

## **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3: 27.09.2000 Bulletin 2000/39

(51) Int. Cl.7: A61L 9/03

(43) Date of publication A2: 28.04.1999 Bulletin 1999/17

(21) Application number: 98118332.0

(22) Date of filing: 28.09.1998

(84) Designated Contracting States:

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU

MC NL PT SE

Designated Extension States:

AL LT LV MK RO SI

(30) Priority: 27.10.1997 IT BO970640

(71) Applicant: FALP S.r.I. 40060 Passo Segni Baricella (Bologna) (IT) (72) Inventors:

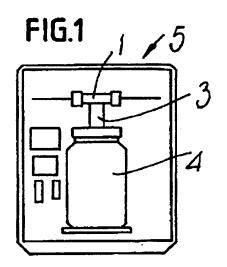
• Lupotto, Paolo 13020 Plia (Vercelii) (IT)

Falchieri, Roberto
 40060 Passo Segni Baricella (BO) (IT)

(74) Representative:
Modiano, Guido, Dr.-ing. et al
Modiano & Associati SpA
Via Meravigli, 16
20123 Milano (IT)

## (54) Device for electrically vaporizing active principles

(57) The device for electrically vaporizing active principles comprises at least one element (3) adapted to be impregnated with a substance that contains the active principle to be vaporized and at least one heating element (1) which is adapted to produce the vaporization of the substance that contains the active principle from the impregnated element. The device has a timer which is adapted to control the flow of electric current through the heating element (1) for the selective high-temperature pulsed heating of the heating element (1) to a temperature which is close to the boiling point of the substance that contains the active principle.





## **EUROPEAN SEARCH REPORT**

EP 98 11 8332

		ERED TO BE RELEVANT	·		
Category	Citation of document with of relevant pas	indication, where appropriate, sages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CLS)	
X	PATENT ABSTRACTS 01 vol. 1996, no. 10, 31 October 1996 (19 & JP 08 155018 A (0 18 June 1996 (1996- * abstract * * figures 1,2 *	96-10-31) ASIO COMPUT CO LTD)	1,3-7	A61L9/03	
X	US 4 695 434 A (SPE 22 September 1987 ( * claims *	CTOR DONALD) 1987-09-22)	1-4		
x	GB 2 155 210 A (JEN INTERNATIONAL AERAD 18 September 1985 ( * the whole documen	1985-09-18)	1-4		
	PATENT ABSTRACTS OF vol. 013, no. 313 ( 17 July 1989 (1989- & JP 01 097462 A (S 14 April 1989 (1989 * abstract * * figures 1E,2 *	C-61B), 07-17) ANDEN CORP),	1,3-5,7	TECHNICAL FIELDS SEARCHED (IM.CLS) A61L A01M	
	PATENT ABSTRACTS OF vol. 1997, no. 12, 25 December 1997 (1: & JP 09 201155 A (D. 5 August 1997 (1997 • abstract * • f1gures 2,8 *	997-12-25) IA GOMME KK),	1,3-5,7		
[3	EP 0 689 766 A (FALI 3 January 1996 (1996 * figure 1 * -		1,7		
<u></u>	The present search report has b	een drawn up for all claims			
	Place of search	Date of completion of the search	<del>'</del>	Exeminer	
1	HE HAGUE	1 August 2000	Muño	z, M	
X: particularly relevant if taken alone Y: perticularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document		E : earlier patient de after the filing de D : document ofted L : document ofted	T: theory or principle underlying the invention E: earlier patent document, but published on, or after the fiting date D: document ofted in the application L: document ofted for other reasons  A: mamber of the same patent tamily, corresponding document		

## ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 98 11 8332

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP Ne on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

01-08-2000

aı	Patent document ted in search repo		Publication date	Patent tamily member(s)	Publication date
JP	08155018	A	18-06-1996	NONE	
US	4695434	A	22-09-1987	AT 30512 T	15-11-198
				AU 565441 B	17-09-198
				AU 1803683 A	01-03-198
				OE 3374271 D	10-12-198
				EP 0104758 A	04-04-198
				JP 1686734 C	11-08-199
				JP 3052 <b>294</b> B	09-08-199
				JP 59062 <b>05</b> 7 A	09-04-198
				US 4556539 A	03-12-198
				ZA 8306027 A	25-04-198
GB 	2155210	A	18-09-1985	NONE	
JP	01097462	A	14-04-1989	NONE	
JP	09201155	A	05-08-1997	NONE	
EP	0689766	A	03-01-1996	IT B0940118 U	28-12-199
					·
					·
					·

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82